

PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

To:

see form PCT/ISA/220

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY
(PCT Rule 43bis.1)

Date of mailing

(day/month/year) see form PCT/ISA/210 (second sheet)

Applicant's or agent's file reference
see form PCT/ISA/220FOR FURTHER ACTION
See paragraph 2 belowInternational application No.
PCT/GB2004/005173International filing date (day/month/year)
09.12.2004Priority date (day/month/year)
09.12.2003International Patent Classification (IPC) or both national classification and IPC
G01R11/56Applicant
ONE CLICK TECHNOLOGIES LTD

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220

3. For further details, see notes to Form PCT/ISA/220.

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10/582375

JP20 Rec'd PCT/PTO 09 JUN 2006

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**International application No.
PCT/GB2004/005173**Box No. 1 Basis of the opinion**

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
 - ☐ This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material:
 - ☐ a sequence listing
 - ☐ table(s) related to the sequence listing
 - b. format of material:
 - ☐ in written format
 - ☐ in computer readable form
 - c. time of filing/furnishing:
 - ☐ contained in the international application as filed.
 - ☐ filed together with the international application in computer readable form.
 - ☐ furnished subsequently to this Authority for the purposes of search
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**International application No.
PCT/GB2004/005173**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or
industrial applicability; citations and explanations supporting such statement****1. Statement**

Novelty (N)	Yes: Claims	17,18
	No: Claims	1-16,19-32
Inventive step (IS)	Yes: Claims	
	No: Claims	1-32
Industrial applicability (IA)	Yes: Claims	1-32
	No: Claims	

2. Citations and explanations**see separate sheet**

10/582375
AP20 Rec'd PCT/PTO 09 JUN 2006**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING
AUTHORITY (SEPARATE SHEET)**

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Re Item V**Reasoned statement with regard to novelty, inventive step or industrial applicability;
citations and explanations supporting such statement**

1) Reference is made to the following documents:

D1: US-A-4 644 320

D2: WO-A-03 025 878

2) The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claims 1 and 23 is not new in the sense of Article 33(2) PCT.

2.1) The document **D1** discloses (the references in parentheses applying to this document):

- A power consumption monitoring apparatus (14 in figures 1 and 2) comprising:

- at least one electrical measurement device for generating a signal indicative of the electrical power passing through an electrical power line at the location of the measurement device (38, R3 and U2 in Figure 2; column 5 line 53-column 6 line 21, column 7 lines 26-32)

- at least one data controller adapted to receive the signal from the measurement device and to convert the signal into a data transmission stream conveying (U3, U4 in Figure 2; column 6 lines 31-39 and 55-58)

- at least one power consumption statistic (column 3 lines 17-20 and column 6 line 27-30)

the data controller including:

- a transmitter for transmitting the data transmission stream across (U7 in Figure 2 and column 6 lines 55-58)

- a communications medium (18 in Figure 1 and column 6 lines 55-58)

- a display controller (22 and 24 in Figure 1)

including:

- a receiver for receiving the stream from the communications medium (22 in Figure 1)

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- the display controller adapted to convert the stream into one or more data display transmission signals for reception by (column 3 lines 33-41)
- a variety of display devices to display power consumption statistics (28 in Figure 1)

2.1.1) The document **D2** is also considered being novelty destroying for the subject-matter of claim 1 (see: figures 1, 3, 4; page 1 paragraphs 3-5, page 5 paragraphs 2-4, page 10 paragraph 3-page 11 paragraph 4, page 12 paragraphs 2, 5 and page 16 paragraph 4),

The subject-matter of **claim 1** is therefore considered not new, Article 33(2) PCT.

2.2) The document **D1** further discloses (the references in parentheses applying to this document):

- A method of monitoring power consumption (column 2 lines 28-34) comprising the steps of:
 - generating in at least one electrical measurement device a signal indicative of the electrical power passing through an electrical power line at the location of the electrical measurement device (38, R3 and U2 in figures 2; column 5 line 53-column 6 line 21, column 7 lines 26-32)
 - receiving the signal from the measurement device at a data controller and converting the signal into a data transmission stream conveying at least one power consumption statistic (R8, C1, U3 and U4 in Figure 2; column 6 lines 27-39 and column 3 lines 17-20)
 - transmitting the data transmission stream across a communications medium (U7 in Figure 2; 18 in Figure 1; column 2 lines 28-34 and column 6 lines 55-58)
 - receiving the stream from the communications medium by a receiver in a display controller and converting the stream into one or more data display transmission signals for reception by a variety of display devices to display power consumption statistics (22, 24 and 28 in Figure 1; figures 12-15; column 3 lines 33-41)

2.2.1) The document **D2** is also considered being novelty destroying for the subject-

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matter of claim 23 (see: figures 1, 3, 4; page 1 paragraphs 3-5, page 5 paragraphs 2-4, page 10 paragraph 3-page 11 paragraph 5, page 12 paragraphs 2, 5 and page 16 paragraph 4),

The subject-matter of **claim 23** is therefore considered not new, Article 33(2) PCT.

3) Dependent claims 2-22 and 24-32 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty and/or inventive step, the reasons being as follows:

- 3.1) The additional features of **claims 2-5 and 26** are known from **D1**: (see figures 1, 2; column 2 lines 41-50, column 2 line 62-column 3 line 3 and column 7 lines 33-49), Article 33(2).
- 3.2) The additional feature of **claim 6** is known from **D1**: (see U3, U4 in Figure 2 and 14 in figures 1 and 2), Article 33(2).
- 3.3) The additional features of **claims 7-9 and 24** are known from **D2**: (see 105, 128 and 108 in Figure 1; page 19 paragraph 2, page 21 paragraphs 1 and 2), Article 33(2).
- 3.4) The additional features of **claims 10, 11, 31 and 32** are known from **D1**: (see 19 and U4 in Figure 2 and column 5 lines 39-45), Article 33(2).
- 3.5) The additional feature of **claims 12 and 30** is known from **D2**: (see page 15 paragraph 3), Article 33(2).
- 3.6) The additional features of **claims 13-15 and 25** are known from **D2**: (see Figure 1; page 5 paragraph 3, page 11 paragraph 5, page 19 paragraph 4-page 20 paragraph 1), Article 33(2).
- 3.7) The additional feature, concerning the type of interface used, as claimed in **claims 16-18** is either implicitly disclosed in the "personal computer" of paragraph 3 on page 5 of **D2**, as an USB interface is nowadays standard on

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such a device, or can not be regarded as involving an inventive step. The "display" of paragraph 5 on page 11 of **D2** may well be a television set. The adaption of the interface to address such a device comes within the scope of the customary practice followed by persons skilled in the art. Article 33(2), (3).

- 3.8) The additional features of **claims 19-21** and **27-29** are known from **D1**: (see 25, 24, 28 in Figure 1, figures 6, 14 and 15; column 8 lines 31-34 and column 9 lines 3-10), Article 33(2).
- 3.9) The additional feature of **claim 22** is known from **D1**: (see U3, U4 in 14 of Figure 2 and 22, 24 in 12 of Figure 1; column 3 lines 23-25), Article 33(2).